CLAIMS

1. A method for managing resources within a node, the method comprising:

configuring at least one resource for use by a node, wherein the node is associated with a site containing the resource;

validating availability of the at least one resource for a resource pool, wherein the validating comprises determining accessibility by the node and verification that the resource is located at the site; and

selecting, based upon the validating, at least one of the at least one resource for the resource pool.

2. The method of claim 1, wherein the at least one resource comprises at least one disk unit, the method further comprising:

configuring the resource pool as a switchable disk pool.

3. The method of claim 1, wherein the node is a single node located at the site and the node operates as part of a geographically disperse computing system group.

4. The method of claim 1, wherein the at least one resource comprises at least one disk unit, the method further comprising,

ranking availability of each disk unit for the resource pool; and

selecting at least one valid disk unit for the resource pool according to availability ranking.

5. The method of claim 4, further comprising,

providing at least one reason to a user to explain validity and ranking of each disk unit.

6. The method of claim 1, wherein the node is part of a cluster resource group.

7. The method of claim 6, wherein the cluster resource group comprises a primary node and at least one backup node.

8. The method of claim 6, further comprising:

validating accessibility of resources in the resource pool when adding a node to a cluster resource group recovery domain, wherein the validating comprises determining that the node is associated with a site containing the resource pool.

9. The method of claim 6, further comprising:

when adding a switchable resource pool to the cluster resource group, verifying accessibility of each resource in the switchable resource pool by each node in the cluster resource group recovery domain located at the site.

10. The method of claim 9, further comprising:

verifying that a switchable entity containing the switchable resource pool is not included in another cluster resource group.

11. The method of claim 6, further comprising:

validating switchability of the switchable resource pool when starting clustering.

12. A signal bearing medium, comprising a program which, when executed by a processor, performs operations for managing resources within a node, the operations comprising:

configuring at least one resource for use by a node, wherein the node is associated with a site containing the resource;

validating availability of the at least one resource for a resource pool, wherein the validating comprises determining accessibility by the node and verification that the resource is located at the site; and

selecting, based upon the validating, at least one of the at least one resource for the resource pool.

13. The signal bearing medium of claim 12, wherein the steps further comprise configuring the resource pool as a switchable disk pool.

14. The signal bearing medium of claim 12, wherein the node is a single node located at the site and the node operates as part of a geographically disperse computing system group.

15. The signal bearing medium of claim 12, wherein the steps further comprise:

ranking of each resource for the resource pool; and

selecting at least one valid resources for the resource pool according to results of the ranking.

16. The signal bearing medium of claim 15, wherein the steps further comprise:

providing at least one reason to a user to explain validity and ranking of each resource.

17. The signal bearing medium of claim 12, wherein the node is part of a cluster resource group.

18. The signal bearing medium of claim 17, wherein the steps further comprise: validating accessibility of resources in the resource pool when adding a node to the cluster resource group recovery domain.

19. The signal bearing medium of claim 17, wherein the steps further comprise verifying accessibility of each resource in the switchable resource pool by each node in the cluster resource group recovery domain when adding a switchable resource pool to the cluster resource group.

20. The signal bearing medium of claim 17, wherein the steps further comprise verifying that a switchable entity containing the switchable resource pool is not included in another cluster resource group.

21. The signal bearing medium of claim 17, wherein the steps further comprise validating switchability of the switchable resource pool when starting clustering.

22. A system, comprising:

a primary node that is associated with a site;

a resource pool connected to the primary node; and

a processor configured to validate availability of at least one resource for the resource pool and to select at least one valid resource for the resource pool, wherein the availability is validated based at least in part on the at least one resource being located at the site.

23. The system of claim 22, wherein the processor is further configured to rank each resource for the resource pool and select at least one valid resource for the resource pool according to ranking.

24. The system of claim 23, wherein the processor is further configured to provide at least one reason to a user to explain validity and ranking of each resource.

25. The system of claim 22, wherein the resource pool is configured as a switchable resource pool.

26. The system of claim 25, further comprising at least one backup node connected to the switchable resource pool.

27. The system of claim 25, wherein the processor is further configured to validate accessibility of resources in the switchable resource pool when adding a node to the cluster resource group recovery domain.

28. The system of claim 25, wherein the processor is further configured to, when adding the switchable resource pool to the cluster resource group, verify

accessibility of each resource in the switchable resource pool by each node in the cluster resource group recovery domain.

29. The system of claim 25, wherein the processor is further configured to verify that a switchable entity containing the switchable resource pool is not included in another cluster resource group.

30. The system of claim 25, wherein the processor is further configured to validating switchability of the switchable resource pool when starting clustering.